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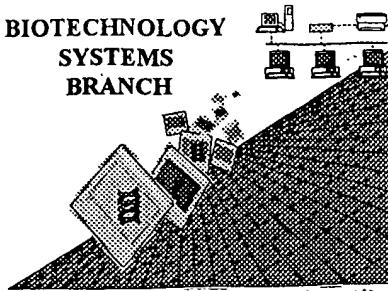
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0590

2/26
BIOTECHNOLOGY
SYSTEMS
BRANCH

#512
C-280



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/756,097
Source: O/P/E
Date Processed by STIC: 1/15/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/756,097
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>92</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. <i>← IMPORTANT</i> (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002
TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt
Output Set: N:\CRF3\01152002\I756097.raw

Does Not Comply
Corrected Diskette Needed

PP1-236

4 <110> APPLICANT: Mitchell, Lloyd G.
5 Garcia-Blanco, Mariano A.
6 Puttaraju, Madaiah
7 Mansfield, Gary S.
10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
11 SPLICEOSOME MEDIATED RNA TRANS-SPlicing IN PLANTS
14 <130> FILE REFERENCE: A31304-B-A-C 072874.0138
16 <140> CURRENT APPLICATION NUMBER: 09/756,097
17 <141> CURRENT FILING DATE: 2001-01-08
19 <150> PRIOR APPLICATION NUMBER: 09/158,863
20 <151> PRIOR FILING DATE: 1998-09-23
22 <150> PRIOR APPLICATION NUMBER: 09/133,717
23 <151> PRIOR FILING DATE: 1998-08-13
25 <150> PRIOR APPLICATION NUMBER: 09/087,233
26 <151> PRIOR FILING DATE: 1998-05-28
28 <150> PRIOR APPLICATION NUMBER: 08/766,354
29 <151> PRIOR FILING DATE: 1996-12-13
31 <150> PRIOR APPLICATION NUMBER: 60/008,317
32 <151> PRIOR FILING DATE: 1995-12-15
34 <160> NUMBER OF SEQ ID NOS: 105
36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
38 <210> SEQ ID NO: 1
39 <211> LENGTH: 132
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapien
43 <400> SEQUENCE: 1
44 caggggacgc accaaggatg gagatgttcc agggcgctga tcatgttgg tattttctt 60
45 aaatcttttg tcatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgttagat 120
46 tccattcaaa aa 132
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 29
50 <212> TYPE: DNA
51 <213> ORGANISM: Corynebacterium diphtheriae
53 <400> SEQUENCE: 2
54 ggcgctgcag ggcgctgatg atgttgg 29
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 36
58 <212> TYPE: DNA
59 <213> ORGANISM: Corynebacterium diphtheriae
61 <400> SEQUENCE: 3
62 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 68
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Oligonucleotide

insufficient explanation - give source
of genetic material

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

72 <400> SEQUENCE: 4
 73 aattctctag atgcttcacc cgggcctgac tcgagttacta actggtagctt cttctttttt 60
 74 ttcctgca 68
 76 <210> SEQ ID NO: 5
 77 <211> LENGTH: 60
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Oligonucleotide
 84 <400> SEQUENCE: 5
 85 gaaaaaaa gaagaggtac cagttttttt tcgagttcagg cccgggtgaa gcatcttagag 60
 88 <210> SEQ ID NO: 6
 89 <211> LENGTH: 24
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial Sequence
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Oligonucleotide primer
 96 <400> SEQUENCE: 6
 97 tcgagcaacg ttataataat gttc 24
 99 <210> SEQ ID NO: 7
 100 <211> LENGTH: 24
 101 <212> TYPE: DNA
 102 <213> ORGANISM: Artificial Sequence
 104 <220> FEATURE:
 105 <223> OTHER INFORMATION: Oligonucleotide primer
 107 <400> SEQUENCE: 7
 108 tcgagaacat tattataacg ttgc 24
 110 <210> SEQ ID NO: 8
 111 <211> LENGTH: 35
 112 <212> TYPE: DNA
 113 <213> ORGANISM: Artificial Sequence
 115 <220> FEATURE:
 116 <223> OTHER INFORMATION: Oligonucleotide primer
 118 <400> SEQUENCE: 8
 119 aattctctag atcaggcccg ggtgaaggcac tcgag 35
 121 <210> SEQ ID NO: 9
 122 <211> LENGTH: 25
 123 <212> TYPE: DNA
 124 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: Oligonucleotide primer
 129 <400> SEQUENCE: 9
 130 tgcttcaccc gggcctgatc tagag 25
 132 <210> SEQ ID NO: 10
 133 <211> LENGTH: 18
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Homo sapien
 137 <400> SEQUENCE: 10
 138 tgcttcaccc gggcctgaa 18

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

140 <210> SEQ ID NO: 11
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143 <213> ORGANISM: Homo sapien
145 <400> SEQUENCE: 11
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148 <210> SEQ ID NO: 12
149 <211> LENGTH: 18
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 12
154 caacgttata ataatgtt 18
156 <210> SEQ ID NO: 13
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158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapien
161 <400> SEQUENCE: 13
162 ctgtgattaa tagcgg 16
164 <210> SEQ ID NO: 14
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapien
169 <400> SEQUENCE: 14
170 cctggacgcg gaagtt 16
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 51
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapien
177 <400> SEQUENCE: 15
178 ctgggacaag gacactgctt cacccggtaa gtagaccaca gccctgaagc c 51
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 17
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapien
185 <400> SEQUENCE: 16
186 cttctgtttt ttttctc 17
188 <210> SEQ ID NO: 17
189 <211> LENGTH: 16
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapien
193 <400> SEQUENCE: 17
194 cttctgtattt attctc 16
196 <210> SEQ ID NO: 18
197 <211> LENGTH: 16
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapien
201 <400> SEQUENCE: 18
202 gttctgtcct tgcgtc 16
204 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

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TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

205 <211> LENGTH: 29
206 <212> TYPE: DNA
207 <213> ORGANISM: Corynebacterium diphtheriae
209 <400> SEQUENCE: 19
210 ggcgctgcag ggcgctgatg atgttggatg 29
212 <210> SEQ ID NO: 20
213 <211> LENGTH: 36
214 <212> TYPE: DNA
215 <213> ORGANISM: Corynebacterium diphtheriae
217 <400> SEQUENCE: 20
218 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Corynebacterium diphtheriae
225 <400> SEQUENCE: 21
226 catcgatata atttccttgt g 21
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Corynebacterium diphtheriae
233 <400> SEQUENCE: 22
234 atggaatctt cataaccagg 20
236 <210> SEQ ID NO: 23
237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Corynebacterium diphtheriae
241 <400> SEQUENCE: 23
242 gaaggcttag cactacacgc 20
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 24
250 cggcaccgtt gccgaagtgg 20
252 <210> SEQ ID NO: 25
253 <211> LENGTH: 30
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 25
258 accggaattt atgaagccag gtacaccagg 30
260 <210> SEQ ID NO: 26
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 26
266 gggcaagggtt aacgtggatg 20
268 <210> SEQ ID NO: 27
269 <211> LENGTH: 19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

270 <212> TYPE: DNA
 271 <213> ORGANISM: Homo sapien
 273 <400> SEQUENCE: 27
 274 atcaggagtg gacagatcc 19
 276 <210> SEQ ID NO: 28
 277 <211> LENGTH: 39
 278 <212> TYPE: DNA
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 283 Escherichia coli lacZ gene
 285 <400> SEQUENCE: 28
 286 gcatgaattc ggtaccatgg gggggttctc atcatcatc 39
 288 <210> SEQ ID NO: 29
 289 <211> LENGTH: 36
 290 <212> TYPE: DNA
 291 <213> ORGANISM: Artificial Sequence
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 295 Escherichia coli lacZ gene
 297 <400> SEQUENCE: 29
 298 ctgaggatcc tcttacctgt aaacgccccat actgac 36
 300 <210> SEQ ID NO: 30
 301 <211> LENGTH: 38
 302 <212> TYPE: DNA
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 307 Escherichia coli lacZ gene
 309 <400> SEQUENCE: 30
 310 gcatggtaac cctgcagggc ggcttcgtct gggactgg 38
 312 <210> SEQ ID NO: 31
 313 <211> LENGTH: 38
 314 <212> TYPE: DNA
 315 <213> ORGANISM: Artificial Sequence
 317 <220> FEATURE:
 318 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 319 Escherichia coli lacZ gene
 321 <400> SEQUENCE: 31
 322 ctgaaagctt gttaacttat tattttgac accagacc 38
 324 <210> SEQ ID NO: 32
 325 <211> LENGTH: 47
 326 <212> TYPE: DNA
 327 <213> ORGANISM: Artificial Sequence
 329 <220> FEATURE:
 330 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
 331 Escherichia coli lacZ gene
 333 <400> SEQUENCE: 32
 334 gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg 47

09/09/097 6

<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide *insufficient*

<400> 91
gtcagttgga ggaggacatc tccaa^{gttt} 30

<210> 92
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 92

see item 11 on Exam Summary Sheet

PSI

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002
TIME: 15:33:40

Input Set : A:\09756097SEQUENCELISTING.txt
Output Set: N:\CRF3\01152002\I756097.raw

L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1030 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1030 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: